

AN 121:241704 HCA Full-text
 TI electrophotographic liquid developer
 IN Kato, Eiichi
 PA Fuji Photo Film Co Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 55 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06027747	A2	19940204	JP 1992-201808	19920707
PRAI	JP 1992-201808		19920707		

AB In the title developer comprising resin particles dispersed in a nonaq. solvent (elec. resistivity $\geq 10^9$ cm, dielec. constant ≤ 3.5), the above resin particles are obtained by polymerizing a solution containing (1) a monofunctional monomer, (2) an oligomer terminated with a polar group of a number average mol. weight $\leq 1+10^4$, (3) a multifunctional monomer and (4) a graft copolymer stabilizing resin incorporating a A-B block polymer type monofunctional macromonomer (number average mol. weight $1+10^3 - 2+10^4$) terminated with a vinyl group, and a monomer containing $C \geq 8$ aliphatic group. This developer shows stable dispersion and good fixability, and is suitable for use in an electrophotog. platemaking process.

IC ICM G03G009-13

CC 74-3 (Radiation Chemistry, Photochemistry, and Photographic and Other

Reprographic Processes)

ST electrophotog liq developer resin particle; macromer graft copolymer dispersion stabilizer

IT Electrophotographic developers
(liquid; with stable dispersion and good fixability)

IT 67076-30-6P 79964-36-6P 127939-27-9P 132612-34-1P 139720-73-3DP,

carboxy or hydroxy terminated 140693-69-2P 140693-79-4P

140693-84-1P

140708-08-3P 140708-09-4P 140708-10-7P 140863-46-3P 140863-

47-4P

140863-48-5P 140863-50-9P 140863-51-0P 140863-52-1P 140863-

54-3P

140863-57-6P 140863-60-1P 140863-71-4P 140863-72-5P 140863-

75-8P

140863-78-1P 140863-81-6P 140888-43-3P 141472-43-7P 141492-

10-6P

144644-55-3P 144644-59-7P 158348-48-2P 158348-51-7P

RL: MOA (Modifier or additive use); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(binder resin for electrophotog. liquid developer)

IT 9082-26-2P 25951-78-4P 36956-01-1P 37284-71-2P 58698-55-8P

107233-94-3P	122083-53-8P	150997-12-9P	150997-13-0P	150997-
14-1P				
150997-15-2P	153245-00-2P	158348-53-9P	158348-54-0P	158348-
55-1P				
158348-56-2P	158348-57-3P	158348-58-4P		
RL: MOA (Modifier or additive use); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)				
(latex particles for electrophotog. liquid developer)				
IT	138115-34-1DP, Ethyl methacrylate-triphenylmethyl methacrylate block copolymer, hydrolyzed, vinyl group terminated 138232-67-4DP, Butyl methacrylate-benzyl methacrylate block copolymer, hydrolyzed, vinyl group			
	terminated 139357-83-8DP, hydrolyzed, vinyl group terminated			
	139598-52-0DP, hydroxy terminated, reaction product with			
	isocyanatoethyl			
	methacrylate 150958-16-0DP, hydrolyzed, vinyl group terminated			
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation);			
RACT				
	(Reactant or reagent)			
	(macromer for formation of binder resin for electrophotog. liquid developer)			
IT	139598-53-1P	139598-54-2P	139598-55-3P	139598-56-4P
57-5P				139598-
	139598-58-6P	139598-59-7P	139598-60-0P	139598-61-1P
62-2P				139598-
	139598-63-3P	139598-64-4P	139598-65-5P	139598-66-6P
68-8P				139598-
	139598-69-9P	139598-70-2P	139598-71-3P	139598-72-4P
73-5P				139598-
	139598-74-6P	139598-75-7P	139598-76-8P	139598-77-9P
80-4P				139598-
	139598-81-5P	139598-82-6P	139598-83-7P	139598-85-9P
39-1P				139687-
	147045-28-1P	147127-63-7P	158008-00-5DP, hydrolyzed	
	158008-02-7P	158348-52-8P		
RL: MOA (Modifier or additive use); SPN (Synthetic preparation);				
PREP				
	(Preparation); USES (Uses)			
	(stabilizing resin for formation of binder resin for			
	electrophotog.			
	liquid developer)			